

# Receiving Report

Date: 13/4/19 Batch No: 712 5340  
 Supplier: T174886/KRPP Dart P/O: 19549

Packing Slip: Yes ☒ No ☐ Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Invoice: Yes ☐ No ☒ Waybill Attached: Yes ☐ No ☒ N/A ☐  
 Receipt: Cash ☐ Cr ☐ Shipment Complete: Yes ☒ No ☐ N/A ☐  
 QC6 Inspection 73/04/19 N/A ☒  
 Work Order                     

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12                     

Production/Admin: 13/4/19  
 Date                       
 Received/Costing                       
 Initial                     

Location

## Page 1 of 1

All amounts are calculated in domestic currency.

**Total Received Quantity:**  
**Total Qty to Inspect (PO U/M):**  
**Total Reject Quantity:**  
**Total Receipt Value:**  
**Total Balance Due Quantity:**

## B I L L O F L A D I N G

No: PEC 818052

Ship From:  
 THYSSENKRUPP MATERIALS NA  
 2821 LANGSTAFF ROAD  
 CONCORD, ONTARIO L4K 5C6  
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 17Apr13 at 15:22 From PFW  
 Probill  
 Via VIM TRANSFER  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
 DART AEROSPACE  
 1270 ABERDEEN ST  
 HAWKESBURY, ON K6A 1K7  
 Tel: 613-632-9577 Fax: 613-632-1053

## B I L L O F L A D I N G

1) Our Order PEC-556222- 1 Your PO # 19549  
 STAINLESS STEEL FLAT BAR 304-L HRAP  
 .750" X 2.50" X 148.0000"

Heat Number  
 561787

Tag No  
 170871

Quantity  
 12 ' 4.0000 "

PCS  
 1

Wt LBS  
 82

MTR

2) Our Order PEC-556222- 2 Your PO # 19549  
 STAINLESS STEEL SQ BAR 304L  
 1.00" X 154.2500"

Heat Number  
 257630

Tag No  
 170872

Quantity  
 12 ' 10.2500 "

PCS  
 1

Wt LBS  
 45

MTR

3) Our Order PEC-556222- 3 Your PO # 19549  
 STAINLESS STEEL FLAT BAR 304-L HRAP  
 .375" x 3.00" X 166.0000"

Heat Number  
 S-7529

Tag No  
 170874

Quantity  
 13 ' 10.0000 "

PCS  
 1

Wt LBS  
 53

MTR

TOTAL: Tags 3 PCS 3

LBS  
 180

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR  
 TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*

\*\* REFERENCED ON IT \*\*

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

SHIP FROM: THYSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

SHIP TO: ( 1 )  
DART AEROSPACE

NO: PEC 818052  
SHIP DATE 17Apr13 at 15:22 From PFW  
PROBILL  
Via VIM TRANSFER  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

B I L L O F L A D I N G

TOTAL (1-3) 3 PCS GW. 180 LBS

\*CUSTOMER PICK-UP HRS AT THYSENKRUPP MATERIALS NA  
CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
ADDED TO EVERY ORDER.\*\*\*

Page: 2 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

**VALBRUNA**SLATER STAINLESS, INC.  
2400 TAYLOR STREET WEST - PO BOX 630  
FORT WAYNE IN 46802 USA  
PHONE 260.434.2800 - FAX 260.434.2801**Product Certification Report**Report Number: **4861070**

Certified on Feb 15, 2013 Page 1 of 1

Order I.D. 1202296 003		Order Date 10/11/12		Commodity Code	
Dim 1 1.0000	Dim 2 .0000	Dim 3 .0000	Heat I.D. 257630	Customer I.D. 002573	Customer Purchase Order 5400159468-R02
Product Shape Cold Drawn Squares			Product Surface Cold Drawn Finish		Customer Grade 304/304L
Length (Inches) 132.000 Min. 156.000 Max.			Bill of Lading # 418944	Weight	

**Ship  
To**Attention: TKX LOGISTICS  
COPPER AND BRASS SALES  
8001 THYSSENKRUPP PARKWAY  
NORTHWOOD, OH 43619**Sold  
To**VALBRUNA STAINLESS, INC.  
2400 TAYLOR STREET WEST  
FORT WAYNE, IN 46802**Lifts: 0016 0019**

Condition A	EN 10204 DTD 1991 3.1	QQ-S-763F
UNS S30400	ASTMA 276-10	ASTMA 479-11
ASTMA 484-11	ASMESA 479-10	AMS 5639H
AMS 5647J	SAE-AMS QQ-S-763B	

OK

**CHEMICAL ANALYSIS**

C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N
.020	1.68	.032	.020	.37	18.23	8.06	.64	.52	.09

**BRINELL HARDNESS ASTM E10-12**HBW  
206**TENSILE PROPERTIES ASTM E8-11**

TS (PSI)	.2%YS (PSI)	%EL(2")	%RA
99900	69900	53.9	78.5

DAS  
14  
9-89 1/13/04/19**MACRO ASTM E340-00/E381-01**

MACRO

OK

**GRAIN SIZE ASTM E112-10**

GRAIN SIZE	Etchant	Magnification X
5	Oxalic	100

**ASTM A262-10 PR E(A Utilized)**

OXALIC	Etchant	Magnification X
OK	Oxalic	500

No welding or weld repair done.

Material when shipped is free from contamination by mercury, radium, alpha source, and low melting elements.

Chemical testing to one or more of the listed ASTM methods:

E415-08, E572-02a, E1019-11, E1085-95, E1086-08.

Location of tensile fracture: inside middle of gage length.

Chemical Analysis performed at Acciaierie Valbruna, Italy.

No mercury or low melting alloy contamination. No weld repair.

Material melted in Italy, manufactured in the United States.

Material conforms to listed specifications and is DFARS compliant.

Quality system is compliant with ISO 9001:2008. Produced in accordance with EN 10204 3.1.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

email: DHackett@valbruna.us

Dennis Hackett

**BOLLINGHAUS**  
**STEEL**

Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade

No.: / Nr.: /Nr.:

EN 10204:2004 / 3.1

0000085542

Böllinghaus Portugal Aços Especiais, SA  
DIN EN ISO 9001:2008  
TÜV CERT No. 01 100 030458

Unsere innere Verweisung /Our Int. Ref/ N/ ref int

5600017367 000140

Datum / Date / Data

20.12.2012

## Normen / Standards / Normas

AISI 304/304L, execution as per ASTM A484/A484M-11,  
specifications acc. to latest rev.: ASTM A193/A193M-11a, A182/A182M-11a, A262-10 Pract. E, A276-10, A314-08, A320/A320M-11a, A370-11a,  
A473-01, A479/A479M-11, F899-11, E370, ASME SA479/SA479M, SA182/SA182M, SA193/SA193M, SA320/SA320M, SA370, SAE AMS  
QQ-S-763B, AMS 5639H, AMS 5647J.

## Kunde / Customer / Cliente

Comprador Inoxidable Inc.  
3835 Cypress Drive, Suite 207  
94954 Petaluma CA

## Endgültiger Kunde / Final Customer / Cliente Final

Copper & Brass  
8001 Thyssenkrupp Parkway  
43619 Northwood, OH

Bestell Nr./Order Nr./ Enc.Nr. 54435

Bestell Nr./ Order Nr./ Enc.Nr. 5400161090.9

## Prüfgegenstand / Product / Produto

AISI 304/304L FLAT 2 1/2 x 3/4"

## Gewicht / Weight / Peso

2,330 lb

## Bunde / Bundle / Atados

01

## Werkstoff-Nr.

Material-no. 1.4307  
Qualidade

## Werkstoff-Normbezeichnung / Material standard grade / Norma do material

X 2 CrNi 18-9

## Beschreibung / Description / Descrição

Stainless steel flat bars, in hot rolled, straightened, pickled and annealed.  
Item Nr.: SSREC00023  
US DFAR 252.225-7014: MELT SOURCE: United Kingdom / MFG: Portugal.

Schmelzen Nr.  
Cast nr. / Fusão nr.

## Chemische Analyse in % / Chemical composition in % / Análise química em %

561787	C:	0.018	Si:	0.290	Mn:	1.680	P:	0.033	S:	0.027	Cr:	18.340	Ni:	8.060
EA	Mo:	0.340	Co:	0.117	Cu:	0.450	N:	0.081	Ti:	0.003	W:	-	V:	-

## ASTM E399

## ASTM A370

Proben Nr.  
Test no.  
Amostra no.Kerbschlagarbeit  
Impact Test  
ResiliênciaStreckgrenze  
Yield point  
Tensão limiteDehngrenze  
1% point  
Limite de extensãoZugfestigkeit  
Tensile strength  
Tensão de rupturaDehnung  
Elongation  
AlongamentoEinschnürung  
Reduction of area  
Coef. Estricção

(Charpy V)

Rp 0.2 %

Rp 1.0 %

Rm

A (A50-50mm)

Z (A50-50mm)

[J]

[Ksi]

[Ksi]

[Ksi]

[%]

[%]

3030651.01.01

178.0

57.3

61.8

97.8

56.4

74.8

Visuelle Kontrolle  
Visual inspection  
Inspeção visual

OK

## ASTM E370

Härte 203  
Hardness  
Dureza  
[HB]

## ASTM A262-10 Practice E

Korrosionsbeständigkeit

IC Test

Corrosão Intermetálica



OK

Wärmebehandlung  
Heat treatment  
Tratamento térmico

Annealed Quenched 1900 °F

(water quenched)

## ASTM A484

Maßkontrolle  
Dimensional inspection  
Inspeção dimensional

OK

## E 112-96e1

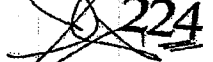
Korngröße  
Grain size  
Tamanho de grão

6

## Werkstoffverständiger

Quality Control Representative

Inspector da Qualidade



David Reis

Verwechslungsprüfung  
Test of identity  
Teste de identificação

OK

Mikroskopische Untersuchung  
Macrographic testMaterial free from  
segregation defects.

OK

## Bemerkungen / Remarks / Observações

Micrographic test: approved.  
Material is free of radiation contamination.  
No weld repair done.  
Material is free of mercury.

Hiermit bestätigen wir, dass das Material der oben genannten  
Spezifikation entspricht.

We confirm that this material meets the specification according  
the mentioned standards.

Confirmamos que este material respeita as especificações  
de acordo com as normas referidas.

From: ThyssenKrupp Materials NA

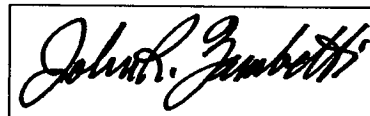
Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402418543

CstAr

CstOr PEC# 247626

Wgt.: 82.000 LB

Date 04/11/2013





# INSPECTION CERTIFICATE



Certificate Type : EN 10204/3.1

Our Sales Order No.	OA-SBD-FR-1112-0168	Invoice No.	EXP/1112-837	Certificate No.	2011-04448
Customer Order No.	A11867	Invoice Date	25/02/12	Date	25/02/12

Customer  
**SUMMIT STAINLESS STEEL LLC**  
 2001 Elizabeth Street  
 North Brunswick  
 New Jersey, 8902, USA

Trade Mark : **AS**

Inspector's Mark : **PT**

Material Details <b>Stainless Steel Flat Bar HRAP Grade 304 L</b>					
Steel Grade	304 / 304L / UNS S30400 / UNS S30403		Shape	Flat Bar	Size 3" x 3/8"
Heat No.	S-7529		Tolerance	A 484	Length of Bars 12' - 14'
Net Weight	1,609.373 LBS		Number of Bars	30	Melting Process EF/AOD/MEMS.
Bundle No's	AF-6142				
Requirements	AMS 5639H:2007 ASME SA 479:2011A		AMS 5647H:2007 ASTM A 182 - 11		AMS QQ-S 763B ASTM A 276 - 10 ASME SA 182:2011A ASTM A 479 - 11

## CHEMICAL ANALYSIS %

	C	SI	Mn	P	S	Cr	Mo	Ni	Cu	N2								
Min.						18		8										
Max.	0.03	1	2	0.04	0.03	20	1	10.5	1	0.1								
Melt	0.024	0.31	1.82	0.039	0.019	18.22	0.30	8.11	0.37	0.089								

## MECHANICAL PROPERTIES

	YS/(Rp 0.2%) (N/MM2)	UTS (N/MM2)	% Elongation	% Reduction Area	Hardness (BHN)	Charpy Impact V Notch (Longitudinal) (Joules)			
Min.	205	515	40	50	140	Temp. Deg. (C) RESULT			
Max.		793			241				
Results	528.12	658.12	46.25	67.25	205		1	2	3 Avg.

Heat Treatment :  
 Solution Annealed 1050°C, Soaking 1 hr & Water Quenched

### Remarks :

- \* Micro Macro Test : Satisfactory
- \* No Mercury and Radioactive Contamination
- \* Visual & Dimensional Inspection - O.K.
- \* Material Identification Test - O.K.
- \* Country of Origin of goods - India
- \* Grain size as per ASTM E112 - 98 = 5.
- \* IGC test as per ASTM A 262 PRACTICE E : Satisfactory
- \* No weld Repairs were performed on this material
- \* Melt source Country of Origin - INDIA

QA Head AND Inspector

AMBICA STEELS LIMITED

We confirm that the material is manufactured & supplied in accordance to the Purchase Order

Ambica Steels Limited, 12/2, Site 4, IBCS, Andhra Pradesh, 520 002, India. Phone : 086-2610100, Fax : 086-2610101, E-mail : info@ambicasteels.com, Website : www.ambicasteels.com

From: ThyssenKrupp Materials-NA

Cust. THYSSENKRUPP MATERIALS NA - ECAD Del.: 2402418764

CstOr CstOr PEC# 247626

Wgt.: 53.000 LB Date 04/11/2013

*John R. Zambelli*



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO19549**

Purchase Order Date 4/11/13

PO Print Date 4/11/13

Page Number 1 of 2

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
TORONTO, ON M5W 5V8  
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAKED**  
C913/04/11

m125340

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304B0.750X2.500	304 BAR .750 X 1.50	4/19/13 Yes	12.00 f	Yours ppd	\$18.0950	\$217.14
		Special Inst: MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 (NOTE: AISI 303 NOT ACCEPTABLE)		12.4			
2	M304B1.000X1.000	304 bar 1.00 x 1.00	4/19/13 Yes	12.00 f	Yours ppd	\$12.1875	\$146.25
		Special Inst: MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 (NOTE: AISI 303 NOT ACCEPTABLE)		12.85			
3	M304B0.375X03.000	M304 SS bar .375 X 3.000	4/19/13 Yes	12.00 f	Yours ppd	\$9.5833	\$115.00
				13.83			

No substitution or deviation without  
consent.

Certificate of Conformance or Material  
Certification required **YES** NO

Change Nbr: 1

Change Date: 4/11/13





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO19549**

Purchase Order Date 4/11/13

PO Print Date 4/11/13

Page Number 2 of 2

**Order From :**

VC-COP001

THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Contact Name**

**Vendor Phone**

905 669 9444

**Vendor Fax**

905 738 9033

**Vendor Account Nbr**

**Buyer**

Chantal Lavoie

**Requisition Nbr**

**Tax Resale Nbr**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

**Special Inst:** MATERIAL: AISI 304/316 SS BAR OR  
AISI 304/316 SS PLATE  
AS PER ASTM A276 OR ASTM A240

(NOTE: AISI 303 NOT ACCEPTABLE)

**PO Total:**

**\$478.39**

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 4/11/13

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required **YES** NO